

## Storm Data and Unusual Weather Phenomena - February 2009

| Location                                                                                                                                                                                                                           | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|---------------------|--------------------------------|
| <b>KANSAS, Extreme Southeast</b>                                                                                                                                                                                                   |                    |                   |                     |                                |
| <b>CHEROKEE COUNTY --- 1.6 E CRESTLINE [37.17, -94.67]</b>                                                                                                                                                                         |                    |                   |                     |                                |
|                                                                                                                                                                                                                                    | 02/09/09 08:47 CST |                   | 0.20K               | Thunderstorm Wind (EG 50 kt)   |
|                                                                                                                                                                                                                                    | 02/09/09 08:47 CST |                   | 0                   | Source: Emergency Manager      |
| Severe thunderstorm wind gusts knocked over a highway sign.                                                                                                                                                                        |                    |                   |                     |                                |
| <b>CRAWFORD COUNTY --- 1.8 ENE KIRKWOOD [37.38, -94.70]</b>                                                                                                                                                                        |                    |                   |                     |                                |
|                                                                                                                                                                                                                                    | 02/09/09 08:55 CST |                   | 1K                  | Thunderstorm Wind (EG 50 kt)   |
|                                                                                                                                                                                                                                    | 02/09/09 08:55 CST |                   | 0                   | Source: Law Enforcement        |
| Thunderstorm wind gusts knocked over a power line.                                                                                                                                                                                 |                    |                   |                     |                                |
| A cluster of thunderstorms produced minor wind damage across extreme southeast Kansas and southwest Missouri.                                                                                                                      |                    |                   |                     |                                |
| <b>CRAWFORD COUNTY --- 3.4 WNW GIRARD [37.51, -94.91]</b>                                                                                                                                                                          |                    |                   |                     |                                |
|                                                                                                                                                                                                                                    | 02/10/09 20:14 CST |                   | 0                   | Hail (0.88 in)                 |
|                                                                                                                                                                                                                                    | 02/10/09 20:14 CST |                   | 0                   | Source: Emergency Manager      |
| <b>CHEROKEE COUNTY --- 1.8 ESE RIVERTON [37.07, -94.67]</b>                                                                                                                                                                        |                    |                   |                     |                                |
|                                                                                                                                                                                                                                    | 02/10/09 20:15 CST |                   | 0                   | Thunderstorm Wind (EG 50 kt)   |
|                                                                                                                                                                                                                                    | 02/10/09 20:15 CST |                   | 0                   | Source: Fire Department/Rescue |
| Severe thunderstorm wind gusts downed a tree across Chico Road.                                                                                                                                                                    |                    |                   |                     |                                |
| <b>BOURBON COUNTY --- 0.9 NW FT SCOTT [37.84, -94.71]</b>                                                                                                                                                                          |                    |                   |                     |                                |
|                                                                                                                                                                                                                                    | 02/10/09 20:45 CST |                   | 10K                 | Thunderstorm Wind (EG 50 kt)   |
|                                                                                                                                                                                                                                    | 02/10/09 20:45 CST |                   | 0                   | Source: Emergency Manager      |
| Severe thunderstorm wind gusts knocked over a semi truck.                                                                                                                                                                          |                    |                   |                     |                                |
| A squall line moved over portions of extreme southeast Kansas and the Missouri Ozarks during the evening and overnight period of 10 February. Wind damage along with one observation of large hail occurred with this squall line. |                    |                   |                     |                                |
| <b>CHEROKEE COUNTY --- 3.5 S GALENA [37.02, -94.64]</b>                                                                                                                                                                            |                    |                   |                     |                                |
|                                                                                                                                                                                                                                    | 02/17/09 22:05 CST |                   | 0                   | Hail (0.88 in)                 |
|                                                                                                                                                                                                                                    | 02/17/09 22:05 CST |                   | 0                   | Source: Broadcast Media        |
| A cluster of thunderstorms that moved primarily over northeast Oklahoma and southwest Missouri, clipped southeast Cherokee County producing hail near Galena.                                                                      |                    |                   |                     |                                |
| <b>MISSOURI, Southwest</b>                                                                                                                                                                                                         |                    |                   |                     |                                |
| <b>JASPER COUNTY --- 0.6 E DUENWEG [37.08, -94.41]</b>                                                                                                                                                                             |                    |                   |                     |                                |
|                                                                                                                                                                                                                                    | 02/09/09 09:07 CST |                   | 4K                  | Thunderstorm Wind (EG 50 kt)   |
|                                                                                                                                                                                                                                    | 02/09/09 09:07 CST |                   | 0                   | Source: Broadcast Media        |
| Thunderstorm wind gusts knocked over two power poles.                                                                                                                                                                              |                    |                   |                     |                                |
| <b>MCDONALD COUNTY --- POWELL [36.62, -94.18]</b>                                                                                                                                                                                  |                    |                   |                     |                                |
|                                                                                                                                                                                                                                    | 02/09/09 09:10 CST |                   | 0                   | Thunderstorm Wind (EG 50 kt)   |
|                                                                                                                                                                                                                                    | 02/09/09 09:10 CST |                   | 0                   | Source: COOP Observer          |
| Strong to severe thunderstorm wind gusts knocked over seven large tree limbs in a campsite near the community of Powell.                                                                                                           |                    |                   |                     |                                |
| <b>BARTON COUNTY --- 0.7 S LAMAR [37.49, -94.28]</b>                                                                                                                                                                               |                    |                   |                     |                                |

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| Location | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details       |
|----------|--------------------|-------------------|---------------------|------------------------------|
|          | 02/09/09 09:21 CST |                   | 0                   | Thunderstorm Wind (EG 50 kt) |
|          | 02/09/09 09:21 CST |                   | 0                   | Source: COOP Observer        |

Thunderstorm wind gusts downed a few tree limbs.

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### **CEDAR COUNTY --- 0.6 E JERICO SPGS [37.62, -94.01]**

|                    |   |                              |
|--------------------|---|------------------------------|
| 02/09/09 09:45 CST | 0 | Thunderstorm Wind (EG 50 kt) |
| 02/09/09 09:45 CST | 0 | Source: Post Office          |

Several tree limbs were downed near the Jerico Springs area. Winds were estimated at approximately 60 mph.

**A cluster of strong to severe thunderstorms caused minor wind damage across portions of southeast Kansas and the Missouri Ozarks.**

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### **GREENE COUNTY --- 2.5 ENE BATTLEFIELD [37.13, -93.34], 1.7 ESE SPRINGFIELD [37.19, -93.27]**

|                    |       |                                      |
|--------------------|-------|--------------------------------------|
| 02/10/09 22:43 CST | 0.35M | Tornado (EF1, L: 5.42 mi , W: 75 yd) |
| 02/10/09 22:49 CST | 0     | Source: NWS Storm Survey             |

A National Weather Service storm survey revealed that an EF-1 tornado intermittently caused damage to around one dozen homes and businesses across south and central Springfield. This tornado initially touched down near the intersection of Scenic and Republic Road, and ended near St. Johns Hospital.

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### **CHRISTIAN COUNTY --- 0.9 SW BRUNER [37.01, -92.99]**

|                    |   |                              |
|--------------------|---|------------------------------|
| 02/10/09 23:15 CST | 0 | Thunderstorm Wind (EG 56 kt) |
| 02/10/09 23:15 CST | 0 | Source: Amateur Radio        |

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### **CAMDEN COUNTY --- 1.6 NW STOUTLAND [37.84, -92.54], 1.5 NW STOUTLAND [37.84, -92.54], 1.2 NW STOUTLAND [37.83, -92.54], 1.4 WNW STOUTLAND [37.83, -92.54]**

|                    |   |                                 |
|--------------------|---|---------------------------------|
| 02/11/09 01:00 CST | 0 | Flash Flood (due to Heavy Rain) |
| 02/11/09 05:30 CST | 0 | Source: Law Enforcement         |

A large shield of showers and thunderstorms produced widespread rainfall amounts ranging from one to two inches across much of Camden County . A low water crossing near the intersection of Highway T and Highway H became impassable to motorists . This is a tributary of Rocky Hollow Creek, and intersects Highway H.

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### **MORGAN COUNTY --- 2.5 SSW GLENSTED [38.49, -92.89], 3.4 WNW EXCELSIOR [38.49, -92.78], 0.3 SSW GRAVOIS MILLS [38.32, -92.82], 2.6 E ZWANZIG [38.34, -92.88]**

|                    |   |                                 |
|--------------------|---|---------------------------------|
| 02/11/09 01:00 CST | 0 | Flash Flood (due to Heavy Rain) |
| 02/11/09 05:00 CST | 0 | Source: Law Enforcement         |

One to two inches of rainfall caused widespread flooding over much of Morgan County. Numerous low water crossings and low lying roads became flooded and impassable to motorists.

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### **NEWTON COUNTY --- 0.7 E NEOSHO [36.87, -94.36], 0.7 E NEOSHO [36.87, -94.36], 0.7 E NEOSHO [36.87, -94.36], 0.7 E NEOSHO [36.87, -94.36]**

|                    |   |                                 |
|--------------------|---|---------------------------------|
| 02/11/09 01:00 CST | 0 | Flash Flood (due to Heavy Rain) |
| 02/11/09 05:00 CST | 0 | Source: Law Enforcement         |

A section of Spring Street in Neosho became flooded and impassable to motorists.

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### **BENTON COUNTY --- 2.6 SSE SANTIAGO [38.39, -93.43], 2.5 N MT HULDA [38.41, -93.24], 3.5 ENE WHITAKERVILLE [38.24, -93.31], 1.2 SSW WARSAW [38.23, -93.39]**

|                    |   |                                 |
|--------------------|---|---------------------------------|
| 02/11/09 01:30 CST | 0 | Flash Flood (due to Heavy Rain) |
| 02/11/09 05:30 CST | 0 | Source: Law Enforcement         |

A widespread shield of showers and thunderstorms produced one to two inches of rain across Benton County . Several low water crossings became impassable to motorists, while a few county roads experienced flooding.

**A squall line moved over portions of the Missouri Ozarks during the evening of 10 February. Large hail, damaging winds, and one tornado occurred with this squall line.**

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### **BARRY COUNTY --- 1.4 S CASSVILLE [36.66, -93.87]**

|                    |   |                         |
|--------------------|---|-------------------------|
| 02/17/09 21:46 CST | 0 | Hail (0.88 in)          |
| 02/17/09 21:46 CST | 0 | Source: Broadcast Media |

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### **STONE COUNTY --- 2.2 W CAPE FAIR [36.73, -93.56]**

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|--------------------------------------------------------------------------------------------------|--------------------|-------------------|---------------------|------------------------------|
|                                                                                                  | 02/17/09 22:00 CST |                   | 0                   | Hail (0.88 in)               |
|                                                                                                  | 02/17/09 22:00 CST |                   | 0                   | Source: Broadcast Media      |
| <hr/>                                                                                            |                    |                   |                     |                              |
| <b>BARRY COUNTY --- 1.4 N SHELL KNOB [36.65, -93.63]</b>                                         |                    |                   |                     |                              |
|                                                                                                  | 02/17/09 22:05 CST |                   | 0                   | Hail (1.75 in)               |
|                                                                                                  | 02/17/09 22:05 CST |                   | 0                   | Source: County Official      |
| <hr/>                                                                                            |                    |                   |                     |                              |
| <b>A small cluster of thunderstorms produced large hail over portions of southwest Missouri.</b> |                    |                   |                     |                              |
| <hr/>                                                                                            |                    |                   |                     |                              |
| <b>ST. CLAIR COUNTY --- 1.1 E CHLOE [38.18, -93.71]</b>                                          |                    |                   |                     |                              |
|                                                                                                  | 02/26/09 17:02 CST |                   | 0                   | Hail (0.88 in)               |
|                                                                                                  | 02/26/09 17:02 CST |                   | 0                   | Source: Law Enforcement      |
| <hr/>                                                                                            |                    |                   |                     |                              |
| <b>ST. CLAIR COUNTY --- 0.7 S LOWRY CITY [38.14, -93.73]</b>                                     |                    |                   |                     |                              |
|                                                                                                  | 02/26/09 17:05 CST |                   | 0                   | Hail (0.88 in)               |
|                                                                                                  | 02/26/09 17:05 CST |                   | 0                   | Source: Law Enforcement      |
| <hr/>                                                                                            |                    |                   |                     |                              |
| <b>ST. CLAIR COUNTY --- 1.8 SE COLLINS [37.86, -93.61]</b>                                       |                    |                   |                     |                              |
|                                                                                                  | 02/26/09 17:40 CST |                   | 0                   | Hail (1.00 in)               |
|                                                                                                  | 02/26/09 17:40 CST |                   | 0                   | Source: Trained Spotter      |
| <hr/>                                                                                            |                    |                   |                     |                              |
| <b>DALLAS COUNTY --- 1.1 E PLAD [37.73, -92.95]</b>                                              |                    |                   |                     |                              |
|                                                                                                  | 02/26/09 18:30 CST |                   | 0                   | Thunderstorm Wind (EG 50 kt) |
|                                                                                                  | 02/26/09 18:30 CST |                   | 0                   | Source: Broadcast Media      |
| <hr/>                                                                                            |                    |                   |                     |                              |
| Thunderstorms downed a large tree along Highway K between Windyville and Plad.                   |                    |                   |                     |                              |
| <hr/>                                                                                            |                    |                   |                     |                              |
| <b>DALLAS COUNTY --- 1.5 NNW PLAD [37.75, -92.98]</b>                                            |                    |                   |                     |                              |
|                                                                                                  | 02/26/09 18:32 CST |                   | 0                   | Hail (1.00 in)               |
|                                                                                                  | 02/26/09 18:32 CST |                   | 0                   | Source: Emergency Manager    |
| <hr/>                                                                                            |                    |                   |                     |                              |
| <b>LACLEDE COUNTY --- 0.6 E BENNETT SPGS [37.73, -92.86]</b>                                     |                    |                   |                     |                              |
|                                                                                                  | 02/26/09 18:38 CST |                   | 10K                 | Thunderstorm Wind (EG 50 kt) |
|                                                                                                  | 02/26/09 18:38 CST |                   | 0                   | Source: Emergency Manager    |
| <hr/>                                                                                            |                    |                   |                     |                              |
| Thunderstorm wind gusts knocked over a billboard.                                                |                    |                   |                     |                              |
| <hr/>                                                                                            |                    |                   |                     |                              |
| <b>CHRISTIAN COUNTY --- 0.6 E CLEVER [37.03, -93.47]</b>                                         |                    |                   |                     |                              |
|                                                                                                  | 02/26/09 19:00 CST |                   | 10K                 | Thunderstorm Wind (EG 60 kt) |
|                                                                                                  | 02/26/09 19:00 CST |                   | 0                   | Source: Law Enforcement      |
| <hr/>                                                                                            |                    |                   |                     |                              |
| Severe thunderstorm wind gusts destroyed a metal outbuilding.                                    |                    |                   |                     |                              |
| <hr/>                                                                                            |                    |                   |                     |                              |
| <b>LACLEDE COUNTY --- 2.6 ESE NEBO [37.55, -92.31]</b>                                           |                    |                   |                     |                              |
|                                                                                                  | 02/26/09 19:22 CST |                   | 0                   | Thunderstorm Wind (EG 50 kt) |
|                                                                                                  | 02/26/09 19:22 CST |                   | 0                   | Source: Public               |
| <hr/>                                                                                            |                    |                   |                     |                              |
| Thunderstorm wind gusts downed several tree limbs along Highway 32.                              |                    |                   |                     |                              |
| <hr/>                                                                                            |                    |                   |                     |                              |
| <b>LACLEDE COUNTY --- FALCON [37.60, -92.38]</b>                                                 |                    |                   |                     |                              |
|                                                                                                  | 02/26/09 19:25 CST |                   | 0                   | Thunderstorm Wind (EG 61 kt) |
|                                                                                                  | 02/26/09 19:25 CST |                   | 0                   | Source: Trained Spotter      |
| <hr/>                                                                                            |                    |                   |                     |                              |
| <b>PHELPS COUNTY --- ROLLA [37.95, -91.77]</b>                                                   |                    |                   |                     |                              |
|                                                                                                  | 02/26/09 20:00 CST |                   | 1K                  | Thunderstorm Wind (EG 50 kt) |
|                                                                                                  | 02/26/09 20:00 CST |                   | 0                   | Source: Law Enforcement      |
| <hr/>                                                                                            |                    |                   |                     |                              |
| Several road signs were downed from severe thunderstorm wind gusts.                              |                    |                   |                     |                              |

## Storm Data and Unusual Weather Phenomena - February 2009

| Location                                                                                                                                                                                                               | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|---------------------|---------------------------|
| <hr/>                                                                                                                                                                                                                  |                    |                   |                     |                           |
| PULASKI COUNTY --- 2.6 WNW PALACE [37.64, -92.19]                                                                                                                                                                      | 02/26/09 20:00 CST |                   | 0                   | Hail (0.88 in)            |
|                                                                                                                                                                                                                        | 02/26/09 20:00 CST |                   | 0                   | Source: Emergency Manager |
| <p>A cluster of thunderstorms impacted southwest Missouri on the evening of 26 February. Large hail and damaging winds were the primary hazards.</p>                                                                   |                    |                   |                     |                           |
| <hr/>                                                                                                                                                                                                                  |                    |                   |                     |                           |
| (MO-Z055) BENTON, (MO-Z056) MORGAN, (MO-Z057) MILLER, (MO-Z058) MARIES, (MO-Z069) CAMDEN, (MO-Z070) PULASKI, (MO-Z071) PHELPS, (MO-Z081) LACLEDE, (MO-Z082) TEXAS, (MO-Z083) DENT, (MO-Z098) SHANNON, (MO-Z106) OREGON | 02/28/09 05:30 CST |                   | 0                   | Winter Storm              |
|                                                                                                                                                                                                                        | 02/28/09 19:00 CST |                   | 0                   |                           |

A winter storm brought heavy snowfall to portions of central and south central Missouri. A relatively narrow band of four to eight inch accumulations set up northwest to southeast from the Truman Lake area to the eastern Ozarks.